

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A circuit comprising:
a first converter for converting an a.c. voltage into a first d.c. voltage and providing said first d.c. voltage as a first output of said circuit, wherein said first converter has a diode half-bridge having two diodes and a first center terminal, a switch half-bridge having two switches and a second center terminal, a high-frequency inductor and two connections in series with the high-frequency inductor, for connection to a source of a main voltage between the two center terminals, a first d.c. rail being connected to the first center terminal by means of a first diode in the diode half-bridge and an electrically conductive connection and to the second center terminal by means of a first switch in the switch half-bridge and an electrically conductive connection, and a

second d.c. rail being connected to the first center terminal by means of a second diode in the diode half-bridge and an electrically conductive connection and to the second center terminal by means of a second switch in the switch half-bridge and an electrically conductive connection; and

a second converter for converting the a.c. voltage into a second d.c. voltage and providing said second d.c. voltage as a second output of said circuit to a controller of said first converter for controlling said first converter.

2. (Previously Presented) The circuit as claimed in claim 1, wherein the main voltage source, an input of the second converter, and the high-frequency inductor form a series circuit.

3. (Previously Presented) The circuit as claimed in claim 1, wherein transmission of energy in the second converter is frequency-dependent.

4. (Previously Presented) The circuit as claimed in claim 1, wherein the second converter is arranged between the high-frequency

inductor and the main voltage source.

5. (Previously Presented) The circuit as claimed in claim 1, wherein at least one of the first converter and the second converter has a transformer.

6. (Previously Presented) The circuit as claimed in claim 1, wherein at least one of the first converter and the second converter has a resonant capacitor.

7. (Previously Presented) The circuit as claimed in claim 1, wherein at least one of the first converter and the second converter has an input capacitor.

8. (Previously Presented) The circuit as claimed in claim 1, wherein at least one of the first converter and the second converter has a control means.

9. (Previously Presented) The circuit as claimed in claim 8, wherein a voltage at an input capacitor of at least one of the

first converter and the second converter is limited by the control means through a limitation of the duty factor of the switches.

10. (Previously Presented) A power supply system having a circuit as claimed in claim 1.

11. (Original) A video projection system having a power supply system as claimed in claim 10.

12. (Original) An office electronics or consumer electronics device having a power supply system as claimed in claim 10.

Claims 13-15 (Canceled)